IN THE CLAIMS:

Please CANCEL claim 2 without prejudice to or disclaimer of its subject matter. Please AMEND claims 1, 3, and 4-8, and ADD claim 12, as follows.

1. (Currently Amended) A sheet transport apparatus that re-transports a sheet having an image formed by an image forming portion on a first surface of the sheet, to the image forming portion so as to form an image on a second surface, opposite to the first surface, of the sheet, said ~~the~~ sheet transport apparatus comprising:

a re-transport path through which the sheet having the image on the first surface of the sheet is re-transported to the image forming portion;

cooling means for blowing air against the sheet passing through said re-transport path in order to cool the sheet; ~~and~~

an electrical substrate[[,]]; and

a cooling air path which is provided between said cooling means and said re-transport path and through which the air blown by said cooling means flows into said re-transport path,

wherein said electrical substrate is arranged at a position off said cooling air path.

~~wherein the air after cooling the sheet by having been blown from said cooling means against the sheet is prevented from striking said electrical substrate.~~

2. (Cancelled).

3. (Currently Amended) A sheet transport apparatus according to claim 1 ~~2~~, further comprising a duct member constituting said cooling air path,

wherein said electrical substrate is arranged in a side portion in a direction that is perpendicular to a direction in which the air flows through said duct member.

4. (Currently Amended) A sheet transport apparatus ~~according to claim 1, further comprising~~ that re-transports a sheet having an image formed by an image forming portion on a first surface of the sheet, to the image forming portion so as to form an image on a second surface, opposite to the first surface, of the sheet, said sheet transport apparatus comprising:

a re-transport path through which the sheet having the image on the first surface of the sheet is re-transported to the image forming portion;

cooling means for blowing air against the sheet passing through said re-transport path in order to cool the sheet;

an electrical substrate; and

a cooling air path which is provided between said cooling means and said re-transport path and through which the air blown by said cooling means flows into said re-transport path,

wherein said electrical substrate is arranged on an upstream side in a direction in which the air flows through said cooling air path.

5. (Currently Amended) A sheet transport apparatus according to claim 4 ~~1~~, wherein said cooling means is a fan, and wherein said electrical substrate is arranged on an inlet side of said fan.

6. (Currently Amended) A sheet transport apparatus according to claim 4 ~~1~~, further comprising a duct member for causing the air blown by said cooling means to flow into the re-transport path,

wherein said electrical substrate, said cooling means, said duct member, and said re-transport path are arranged in the named order from an upstream side along a flowing direction of the air blown by said cooling means.

7. (Currently Amended) A sheet transport apparatus according to claim 1 or 4, wherein said electrical substrate is a control substrate that controls a re-transporting operation for the sheet.

8. (Currently Amended) An image forming apparatus having a sheet transport apparatus that re-transports a sheet having an image formed by an image forming portion on a first surface of the sheet, to the image forming portion in order to form an image on a second surface, opposite to the first surface, of the sheet, said image forming apparatus comprising:

~~said image forming portion;~~

a re-transport path through which the sheet having the image formed on the first surface of the sheet is re-transported to said image forming portion;

cooling means for blowing air against the sheet passing through said re-transport path in order to cool the sheet; ~~and~~

an electrical substrate[[,]]; and

a cooling air path which is provided between said cooling means and said re-transport path and through which the air blown by said cooling means flows into said re-transport path,

wherein said electrical substrate is arranged at a position off said cooling air path.

~~wherein the air after cooling the sheet by having been blown from said cooling means against the sheet is prevented from striking said electrical substrate.~~

9. (Original) An image forming apparatus according to claim 8, wherein said re-transport path, said cooling means, and said electrical substrate are integrated into a unit that is detachably attachable to a main body of said image forming apparatus.

10. (Original) An image forming apparatus comprising:

a photosensitive drum on which a toner image is formed;

a fixing roller that heats and pressurizes a sheet onto which the toner image has been transferred from said photosensitive drum;

a re-transport path that connects a downstream side path of said fixing roller and an upstream side path of said photosensitive drum;

a fan that blows air; and

an electrical substrate,

wherein said electrical substrate, said fan, and said re-transport path are arranged in the named order from an upstream side along a flowing direction of the air blown from said fan.

11. (Original) An image forming apparatus according to claim 10, wherein said electrical substrate, said fan, and said re-transport path are integrated into a unit that is detachably attachable to a main body of said image forming apparatus.

12. (New) An image forming apparatus having a sheet transport apparatus that re-transports a sheet having an image formed by an image forming portion on a first surface of the sheet, to the image forming portion in order to form an image on a second surface, opposite to the first surface, of the sheet, said image forming apparatus comprising:

a re-transport path through which the sheet having the image formed on the first surface of the sheet is re-transported to said image forming portion;

cooling means for blowing air against the sheet passing through said re-transport path in order to cool the sheet;

an electrical substrate; and

a cooling air path which is provided between said cooling means and said re-transport path and through which the air blown by said cooling means flows into said re-transport path,

wherein said electrical substrate is arranged on an upstream side in a direction in which the air flows through said cooling air path.